



May 21, 2013

Ms. Marcia Gasses  
Town Planner & Land Use Administrator  
Town of Barrington  
PO Box 660  
Barrington NH 03825

SUBJECT: Associated Buyers – Map 250 Lot 29  
Engineering Review

Dear Ms. Gasses:

As requested, we have completed our third review of the proposed site plan for the above referenced project. Our review services were limited to a review of the revised stormwater report by Berry Surveying & Engineering (revision date April 30, 2013) and associated revised Site Plan (revision date April 30, 2013). The following were comments noted during the review:

1. The existing catch basin adjacent to the loading docks is to be replaced with an ADS "Yard Drain". Our experience is that these structures are suitable for lawn areas and are not constructed to handle vehicle or truck loads. We would recommend that this issue be addressed.
2. The proposed 12" pipe from the "yard drain" has two bends prior to discharge. Bends are generally not acceptable in drainage pipe design and any change of direction should require a drainage manhole. Also, this pipe runs directly under the proposed building addition. Typically, drainage pipes are not constructed under proposed structures.
3. The proposed trench drain is not modeled as part of area 2S.
4. The rain garden has a seasonal high water table (SHWT) one-foot above the bottom of the filter course material. NHDES regulations require the SHWT be one-foot below the bottom of the filter course or an underdrain installed to lower the SHWT to one-foot below the filter course. The proposed underdrain is only 0.3 feet below the filter course. We would recommend that this issue be addressed.

If you have any questions or comments, please do not hesitate to contact us.

Very truly yours,  
DuBOIS & KING, Inc.

Jeffrey A. Adler, P.E.  
Sr. Project Manager

SMB / JAA/ js